

Superfund Records Center SITE: Wells DREAK:

MEMORANDUM

TO:

J. Lawson

MEMO NO.: 102-APP-293

FROM:

A. Paradice

FILE:

0005-407

(D-495-003)

SUBJECT:

Unifirst, Woburn

DATE:

9/30/87

The results for the analysis of various Water samples received from the Unifirst, Woburn site, on 8/26 and 8/27/87 are attached. The cost for these analyses is \$6,210.

ut Caradie

APP/eps

cc:

memo only

P. Pelletier

M. Sparlin

T. Trainor

Report Gen.

+ disposition letter

M. Lynn

+ report

Chemistry File

DATA AND REPORT APPROVAL FORM

SUBMITTED BY:

Analytical Chemistry Laboratory ERT A Resource Engineering Company 33 Industrial Way Wilmington, MA 01887 September 30, 1987

DATA SUBMITTED BY:

Thomas M. Trainor, Ph.D.

Program Manager

DATA AUDITED BY:

Marti Sparlin

Quality Control Coordinator

ERT
33 Industrial Way
Wilmington, MA 01887
(617) 657-4290

From:

LABORATORY MANAGER

Date of

Issuance:

September 30, 1987

Subject:

SAMPLE RETENTION TERMS

Client:

Unifirst, Woburn

Date Sample

Received:

8/26/87 and 8/27/87

Number of Samples

Received/Matrix: 23 Water

It is the policy of ERT to dispose of unanalyzed portions of samples thirty (30) days following submittal of the pertinent final analytical results report. This letter serves as notification that the above samples will be due for disposal. Sample extracts for organic analyses will be archived for one (1) year. Separate notification will be sent to you prior to disposal of sample extracts.

- A. ERT will return to you all unused samples at your expense (Federal Express), or
- B. ERT will maintain custody of the samples at a cost of fifteen dollars (\$15.00) per sample per quarter for refrigerated storage, and three dollars (\$3.00) per sample per quarter for ambient storage. You will be billed in advance each quarter based upon the number of samples in storage at the beginning of the quarter. The minimum storage fee per project will be fifty dollars (\$50.00) per quarter to cover administrative costs.

YOU MUST RETURN THIS LETTER TO THE LABORATORY MANAGER WITH PROPER AUTHORIZATION (i.e., Purchase Order Number, Federal Express Number, etc), SAMPLE OPTION, SIGNATURE AND DATE WITHIN THIRTY (30) DAYS OF ISSUANCE OR THE SAMPLES INDICATED ABOVE WILL BE DISPOSED.

OPTION:	•
AUTHORIZATION NO.:	(Federal Express
· · · · · · · · · · · · · · · · · · ·	(Purchase Order)
SIGNATURE:	
DATE:	

DATA AND REPORT APPROVAL FORM

SUBMITTED BY:

Analytical Chemistry Laboratory ERT A Resource Engineering Company 33 Industrial Way Wilmington, MA 01887 September 30, 1987

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Program Manager

DATA AUDITED BY:

Marti Sparlin

Quality Control Coordinator

VOLATILE ORGANIC COMPOUNDS IN WATER

Summary of Analytical Results

Duplicate Sample Results

Method Blank Results

Quality Control Sample Results

•	LIN HELIIOU 0247	USF F12£		
Client Name: <u>ERT</u>				
Client ID: 46766 VC-9	-2			
Laboratory ID: 5160-01				
Matrix: Water	Samolade	00/26/07	A	
Authorized: 08/27/87	,	08/26/87	Received:	08/27/87
<u> </u>	Prepared:	09/06/87	Analyzed:	09/06/87
		•		
<u>Parameter</u>	Result	Units		Reportin Limit
Chloromethane	ND	μg/L		
Bromomethane	ND			25
Vinyl chloride	ND	μg/L		25
Chloroethane	ND	μg/L		25
Methylene chloride	ND	µg/L		25
Acetone	ND	µg/L		25
Carbon disulfide	ND	μg/L		250
1,1-Dichloroethene	ND	μg/L		10
1,1-Dichloroethane	ND O	µg/L	•	10
trans-1,2-Dichloroethene	· ND	μg/L		10
Chloroform	_	µg/L		10
1,2-Dichloroethane	ND	µg/L		10
2-Butanone	ND	μg/L		10
1,1,1-Trichloroethane	ND	μg/L	•	50
Carbon tetrachloride	ND	μg/L	•	10
Vinyl acetate	ND	μg/L		10
Bromodichloromethane	ND	µg/L		50
1 2 Dichlanananana	ND	μg/L		10
1,2-Dichloropropane	ND	μg/L		10
trans-1,3-Dichloropropene	· ND	μg/L		10
Trichloroethene	14	μg/L		10
Dibromochloromethane	ND	μg/L		10
1,1,2-Trichloroethane	ND	μg/L		10
Benzene	ND	µg/L		10
cis-1,3-Dichloropropene	ND	μg/L		. 10
2-Chloroethyl vinyl ether	ND	μg/L		50
Bromoform	ND	μg/L	•	10
4-Methy1-2-pentanone	ND	μg/L		
2-Hexanone	ND	μg/L		50
1,1,2,2-Tetrachloroethane	ND	μg/L		50
Tetrachloroethene	300	μg/L		10
Toluene	74			10
Chlorobenzene	ND .	μg/L		10
Ethyl benzene	ND	μg/L		10
Styrene	ND	μg/L		10
Total xylenes	ND	μg/L		10
	NU	μg/L		10
ND = Not detected.				
Reported by CA			1	- IN

EPA Method 624/HSL List

Client Name:	ERT			
Client ID:	46767 VC-9-3			
Laboratory ID:	5160-02			_
Matrix:	Water	Sampled: _08/26/87	Received: _08/27/87	
Authorized:	08/27/87	Prepared: 09/06/87	Analyzed: 00/00/07	

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>
Chloromethane	ND	μg/L	25
Bromomethane	ND	μg/L	25 25
Vinyl chloride	ND	μg/L	25 25
Chloroethane	ND	μg/L	25 25
Methylene chloride	ND	μg/L	25
Acetone	ND	μg/L	250
Carbon disulfide	ND	μg/L	10
1,1-Dichloroethene	ND	μg/L	10
1,1-Dichloroethane	ND	μg/L	10
trans-1,2-Dichloroethene	ND	μg/L	10
Chloroform	ND	μg/L	10
1,2-Dichloroethane	ND	μg/L	10
2-Butanone	. ND	μg/L	50
1,1,1-Trichloroethane	15	μg/L	10
Carbon tetrachloride	ND	μg/L	10
Vinyl acetate	ND	μg/L	50
Bromodichloromethane	ND	μg/L	10
1,2-Dichloropropane	ND	μg/L	10
trans-1,3-Dichloropropene	ND	μg/L	10
Trichloroethene	ND	μg/L	10
Dibromochloromethane	ND	μg/L	10
1,1,2-Trichloroethane	ND	μg/L	10
Benzene	ND	μg/L	10
cis-1,3-Dichloropropene	ND	μg/L	10
2-Chloroethyl vinyl ether	ND	μg/L	50
Bromoform	ND	μg/L	10
4-Methy1-2-pentanone	ND	μg/L	50
2-Hexanone	ND	μg/L	50
1,1,2,2-Tetrachloroethane	· ND ·	μg/L	10
Tetrachloroethene	490	μg/L	10
Toluene	18	μg/L	10
Chlorobenzene	ND	μg/L	10
Ethyl benzene	ND	μg/L	10
Styrene	ND	μg/L	. 10
Total xylenes	ND	μg/L	10
•	,,,	hA. r	10
ND = Not detected.	•		. /
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Reported by _______

Client Name: ERT				
Client ID: 46768 VC-9)-4			
Laboratory ID: 5160-03				
Matrix: <u>Water</u>	Sampled:	08/26/87	Received:	08/27/87
Authorized: <u>08/27/87</u>	•	09/04/87	Analyzed:	
<u>Parameter</u>				Reporting
raiameter	Result	<u>Units</u>		Limit
Chloromethane	. ND	μg/L		50
Bromomethane	ND	μg/L		50
Vinyl chloride	ND	μg/Ł		50
Chloroethane	ND	μg/Ĺ		50
Methylene chloride	ND	μg/L		50
Acetone	ND	μg/L		500
Carbon disulfide	ND	μg/L		20
1,1-Dichloroethene	ND	µg/L		20
1,1-Dichloroethane	ND	μg/L		20
trans-1,2-Dichloroethene	24	μg/L		20
Chloroform	ND	μg/L		20
1,2-Dichloroethane	ND	μg/L		20
2-Butanone	ND	μg/L		100
1,1,1-Trichloroethane	60	μg/L		20
Carbon tetrachloride	ND	μg/L		20
/inyl acetate	ND	μg/L		100
Bromodichloromethane	ND	μg/L		20
l,2-Dichloropropane	ND	ha\r	•	20
rans-1,3-Dichloropropene	ND	μg/L		20
richloroethene	ND	μg/L μg/L		20
Dibromochloromethane	ND	μg/L		20
,1,2-Trichloroethane	ND	μg/L		20
Benzene	ND .	μg/L		20
is-1,3-Dichloropropene	ND	μg/L		
2-Chloroethyl vinyl ether	ND			20
romoform	ND	μg/L		100
-Methyl-2-pentanone	ND	μg/L		20
-Hexanone	ND	µg/L		100
,1,2,2-Tetrachloroethane	ND	μg/L		100
etrachloroethene		μg/L		20
oluene	ND ND	μg/L		20
hlorobenzene	ND ND	μg/L		20
thyl benzene	UN ND	μg/L	•	20
tyrene	ND	μg/L		20
otal xylenes	ND ND	μg/L μg/L		20 20
D = Not detected.	•			,
eported by SA	Anore	wad hy	. Anne	J.K

EPA Method 624/HSL List

Client Name:	ERT						
Client ID:	46769	VC-9-6				· · · · · · · · · · · · · · · · · · ·	
aboratory ID:	5160-04						
Matrix:	Water		Sampled:	08/26/87	Received:	08/27/87	
Authorized:	08/27/87		Prepared:	09/03/87	Analyzed:		

Chloromethane Bromomethane			<u>Limit</u>
Promomothana	ND	μg/L	
	ND	μg/L	5
Vinyl chloride	ND	μg/L	5
Chloroethane	ND	μg/L	5
Methylene chloride	ND	µg/L	Š
Acetone	ND	μg/L	50
Carbon disulfide	ND	μg/L	
1,1-Dichloroethene	ND	μg/L	2
1,1-Dichloroethane	ND	μg/L	2
trans-1,2-Dichloroethene	ND	μg/L	2 2 2 2 2 2 2
Chloroform	ND	μg/L	2
1,2-Dichloroethane	ND	μg/L	2
2-Butanone	ND	μg/L	10
1,1,1-Trichloroethane	ND	μg/L	2
Carbon tetrachloride	ND	μg/L	2 2
Vinyl acetate	ND	μg/L	10
Bromodichloromethane	ND	μg/L	
1,2-Dichloropropane	ND	μg/L	2
trans-1,3-Dichloropropene	ND	μg/L	2
Trichloroethene	ND	μg/L	. 2
Dibromochloromethane	ND	μg/L	2
1,1,2-Trichloroethane	ND	μg/L	2 2 2 2 2 2 2 2
Benzene	ND	μg/L	2
cis-1,3-Dichloropropene	ND	μg/L	2
2-Chloroethyl vinyl ether	ND	μg/L	10
Bromoform	ND	μg/L	2
4-Methy1-2-pentanone	NĎ	μg/L	10
2-Hexanone	ND	μg/L	10
1,1,2,2-Tetrachloroethane	ND	μg/L	2
Tetrachloroethene	ND	μg/L	. 2
Toluene	ND	μg/L	2
Chlorobenzene	· ND	μg/L	2
Ethyl benzene	ND	μg/L	. 2
Styrene	ND	μg/L	2
Total xylenes	ND	μg/L	2 2 2 2 2 2

Reported by _

	EPA M	ethod 624/	HSL List		•
Client Name: <u>ERT</u>					
Client ID: <u>46770</u> v	C-9-60 (IC-9 Duplic	cate		
Laboratory ID: 5160-05	·				
Matrix: <u>Water</u>		Sampled:	08/26/87	Received:	08/27/87
Authorized: <u>08/27/87</u>			09/03/87	Analyzed:	
<u>Parameter</u>	<u>Resul</u>	<u>t</u>	Units		Reporting Limit
Chloromethane	ND		μg/L		•
Bromomethane	ND		ha\r	-	5
Vinyl chloride	ND	•	μg/L		5
Chloroethane	ND		μg/L		5
Methylene chloride	ND		μg/L	sa.	5 5
Acetone	ND		μg/L		50 50
Carbon disulfide	ND		μg/L		
1,1-Dichloroethene	ND		μg/L		2
1,1-Dichloroethane	ND		μg/L		2
trans-1,2-Dichloroethene	DM		μg/L		2 2 2 2 2 2
Chloroform	ND		μg/L		- 2
1,2-Dichloroethane	ND		μg/L		Ž,
2-Butanone	ND		μg/L		10
1,1,1-Trichloroethane	ND		μg/L		2
Carbon tetrachloride	ND		µg/L		2
Vinyl acetate	ND		μg/L	4	10
Bromodichloromethane	ND		μg/L		2
1,2-Dichloropropane trans-1,3-Dichloropropene	ND		μg/L		2 2 2
Trichloroethene	ND		μg/L		2
Dibromochloromethane	ND		μg/L		2
1,1,2-Trichloroethane	ND		μg/L		2 2
Benzene	ND		μg/L		
cis-1,3-Dichloropropene	ND ND		μg/L		2
2-Chloroethyl vinyl ether	ND ND		μg/L		2 2 10
Bromoform	ND		μg/L	•	10
4-Methy1-2-pentanone	ND		μg/L ·	•	2
2-Hexanone	ND.		μց/L μց/L		10
1,1,2,2-Tetrachloroethane	ND	•			10
Tetrachloroethene	ND		μg/L μg/L		2 2 2 2 2 2
Toluene	ND	•	μg/L		۷ 2
Ch1orobenzene	ND		μg/L μg/L		2
Ethyl benzene	ND		μg/L μg/L	•	2
Styrene	ND		μg/L		2
Total xylenes	ND		μg/L	•	2
			•		•

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EPA Method 624/HSL List

Client Name:	ERT				
Client ID:	46771 FB-1				_
Laboratory ID:	5160-06				
Matrix:	Water	Sampled: _08/26/87	Received:	08/27/87	
Authorized:	08/27/87	Prepared: <u>09/03/87</u>	Analyzed:	09/03/87	

Parameter	Result	Units	Reporting <u>Limit</u>
Chloromethane	ND	μg/L	5
Bromomethane	ND	μg/L	5
Vinyl chloride	ND	μg/L	5
Chloroethane	ND	μg/L	5
Methylene chloride	ND	μg/L	5 5 5
Acetone	ND	μg/L	50
Carbon disulfide	ND	μg/L	
1,1-Dichloroethene	ND ·	μg/L	2
1,1-Dichloroethane	ND	μg/L	2
trans-1,2-Dichloroethene	ND	μg/L	2
Chloroform	ND	μg/L	. 2
1,2-Dichloroethane	ND	μg/L	2 2 2 2 2 2
2-Butanone	ND	μg/L	10
1,1,1-Trichloroethane	ND	μg/L	2
Carbon tetrachloride	ND	μg/L	2
Vinyl acetate	ND	μg/L	10
Bromodichloromethane	ND	μg/L	
1,2-Dichloropropane	ND	μg/L	2 2 2 2 2 2 2
trans-1,3-Dichloropropene	ND	μg/L	2
Trichloroethene	ND	μg/L	2
Dibromochloromethane	ND	μg/L	2
1,1,2-Trichloroethane	ND	μg/L	2
Benzene	ND	μg/L	2
cis-1,3-Dichloropropene	ND	μg/L μg/L	2
2-Chloroethyl vinyl ether	ND	μg/L μg/L	10
Bromoform	ND	· • ·	
4-Methyl-2-pentanone	ND	μg/L	2 - 10
2-Hexanone	ND	μg/L	10
1,1,2,2-Tetrachloroethane	ND	μg/L	
Tetrachloroethene	ND	μg/L	2 2
Toluene	ND	μg/L	۷.
Chlorobenzene	ND .	μg/L	2
Ethyl benzene	ND	μg/L	2 2 2 2
Styrene	ND ND	μg/L	۷
Total xylenes		μg/L	۷
-	ND	µg/L	2
		-	

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EPA Method 624/HSL List

Client Name:	ERT		•	
Client ID:	46772 SB			
Laboratory ID:	5160-07			
Matrix:	Water	Sampled: _08/26/87	Received: 08/27/87	
Authorized:	08/27/87	Prepared: 09/03/87	Analyzed:09/03/87	

<u>Parameter</u>	Result	<u>Units</u>	Reporting <u>Limit</u>
Chloromethane	ND	րց/ Լ	*. ••
Bromomethane	ND	μg/L	5
Vinyl chloride	ND	μ9/ C μ9/ L	5
Chloroethane	ND	μg/L μg/L	5
Methylene chloride	ND	• • • •	5
Acetone	ND	μg/L	5
Carbon disulfide	ND	μg/L	50
1,1-Dichloroethene	ND	μg/L	2
1,1-Dichloroethane	ND	μg/L	2
trans-1,2-Dichloroethene	ND	µg/L	2
Chloroform	ND	μg/L	2 2 2 2 2
1,2-Dichloroethane	ND	µg/L	2
2-Butanone	ND	μg/L	
1,1,1-Trichloroethane	ND	μg/L	10
Carbon tetrachloride	ND ND	μg/L	2
Vinyl acetate	ND ND	μg/L	2
Bromodichloromethane	ND ND	μg/L	10
1,2-Dichloropropane	ND	μg/L	2
trans-1,3-Dichloropropene	ND	μg/L	2 2 2 2 2 2
Trichloroethene	ND ND	µg/L	2
Dibromochloromethane	ND ND	μg/L	2
1,1,2-Trichloroethane	ND	μg/L	2
Benzene	ND .	μg/L	2
cis-1,3-Dichloropropene		μg/L	2
2-Chloroethyl vinyl ether	ND	μg/L	2
Bromoform	ND	μg/L	10
4-Methy1-2-pentanone	ND ND	μg/L	2
2-Hexanone	ND	μg/L	10
1,1,2,2-Tetrachloroethane	ND ND	μg/L	10
Tetrachloroethene	ND .	μg/L	2
Toluene	ND	μg/L	2
Chlorobenzene	ND	μg/L	2
	ND	μg/L	2 2
Ethyl benzene Styrene	ND .	μg/L	2
	ND .	μg/L	2
Total xylenes	ND	µg/L	. 2

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Client Name: ERT				`
Client ID: 46773 VC-1	0-2		····	
Laboratory ID: 5160-08				
Matrix: <u>Water</u>	Sampled:	08/26/87	Received:	08/27/87
Authorized: <u>08/27/87</u>		09/04/87	Analyzed:	
		-	Mia i y Zeu.	09/04/6/
<u>Para</u> meter				Reporting
rarameter	Result	Units	•	<u>Limit</u>
Chloromethane	ND	μg/L	•	130
Bromomethane	ND	μg/L		130
Vinyl chloride	ND	μg/L		130
Chloroethane	ND	μg/L		130
Methylene chloride	ND	μg/L		500
Acetone	ND .	μg/L		1,300
Carbon disulfide	ND	μg/L		50
1,1-Dichloroethene	ND	μg/L		50
1,1-Dichloroethane	ND	μg/L		50
trans-1,2-Dichloroethene	93	μg/L		50
Chloroform	ND	μg/L		50
1,2-Dichloroethane	ND	μg/L		50
2-Butanone	ND	μg/L		250
1,1,1-Trichloroethane	ND.	μg/L		50
Carbon tetrachloride	ND	μg/L		50
Vinyl acetate	ND	μg/L		250
Bromodichloromethane	ND	μg/L		50
1,2-Dichloropropane	ND	μg/L		50
trans-1,3-Dichloropropene	ND	μg/L		50
Trichloroethene	160	μg/L		50
Dibromochloromethane	ND	μg/L		50
1,1,2-Trichloroethane Benzene	ND	μg/L		50
	ND	μg/L		50
cis-1,3-Dichloropropene	ND	μg/L		50
2-Chloroethyl vinyl ether Bromoform	ND	µg/L		250
	ND	μg/L		50
4-Methy1-2-pentanone 2-Hexanone	ND	μg/L		250
1,1,2,2-Tetrachloroethane	ND	μg/L		250
Tetrachloroothone	ND	μg/L		50
Tetrachloroethene Toluene	The state of the s	μg/L		50
Chlorobenzene	130	µg/L		50
Ethyl benzene	ND ND	μg/L		50
Styrene	ND	μg/L		50
Total xylenes	ND ND	μg/L μg/L		50 5 0
ND = Not detected.		F3' *		50
Reported by	Appro	ved by		An Iv

Client Name: ERT				
Client ID: 46775 VC-1	0 – 4			
Laboratory ID: 5160-10				
Matrix: Water	Sampled:	08/26/87	Received:	08/27/87
Authorized: <u>08/27/87</u>	Prepared:		Analyzed:	
	•			
<u>Parameter</u>	<u>Result</u>	Units		Reporting <u>Limit</u>
Chloromethane	ND	μg/L		250
Bromomethane	ND	μg/L		250
Vinyl chloride	ND	μg/L		250
Chloroethane	ND	μg/Ľ		250
Methylene chloride	ND	μg/L		500
Acetone	ND	μg/L		2,500
Carbon disulfide	ND	μg/L		100
1,1-Dichloroethene 1,1-Dichloroethane	ND	μg/L		. 100
trans-1,2-Dichloroethene	ND	μg/L		100
Chloroform	ND	µg/L		100
1,2-Dichloroethane	ND ND	μg/L		100
2-Butanone	ND ND	μg/L		100
1,1,1-Trichloroethane	ND	μg/L		500
Carbon tetrachloride	ND	μg/L		100
Vinyl acetate	ND -	μg/L μg/L		100
Bromodichloromethane	ND	μg/L		500
1,2-Dichloropropane	ND	μg/L		100 100
trans-1,3-Dichloropropene	ND	μg/L		100
Trichloroethene	130	μg/L		100
Dibromochloromethane	ND	μg/t μg/t	:	100
1,1,2-Trichloroethane	ND	μg/L		100
Benzene	ND	μg/L		100
cis-1,3-Dichloropropene	ND	µg/L		100
2-Chloroethyl vinyl ether	ND	µg/L		500
Bromoform	D	μg/L	*	100
4-Methy1-2-pentanone	ND	μg/L	*	500
2-Hexanone	ND	μg/L	•	500
1,1,2,2-Tetrachloroethane	ND	μg/L	•	100
Tetrachloroethene	5,500	μg/L		100
Toluene	130	μg/L		100
Chlorobenzene	ND	μg/L		100
Ethyl benzene	ND	μg/L		100
Styrene	ND	μg/L		100
Total xylenes	ND	μg/L		100
ND = Not detected.	•			. 1
Reported bySA	Annro	ved by	1	- /18

EPA Method 624/HSL List

Client Name:	ERT					
Client ID:	46774 VC-10-3			- /		-
Laboratory ID:	5160-09					-
Matrix:	Water	Sampled:	08/26/87	Pecelved:	00/27/07	_

		·	<u> </u>	MECETAEM:	<u> 00/2//0/</u>	
Authorized:	08/27/87	Prepared:	09/06/87	Analyzed:	09/06/87	

Parameter	Result	<u>Units</u>	Reporting Limit
Chloromethane	ND	μg/L	250
Bromomethane	ND	μg/L	250
Vinyl chloride	ND	μg/L	250
Chloroethane	ND	μg/L	250
Methylene chloride	ND	μg/L	250
Acetone	ND	μg/L	2,500
Carbon disulfide	D	μg/L	100
1,1-Dichloroethene	ND	μg/L	100
1,1-Dichloroethane	ND	μg/L	100
trans-1,2-Dichloroethene	ND	µg/L	100
Chloroform	ND	μg/L	100
1,2-Dichloroethane	ND	μg/L	100
2-Butanone	ND	μg/L	500
1,1,1-Trichloroethane	ND	μg/L	100
Carbon tetrachloride	ND	μg/L	100
Vinyl acetate	ND	μg/L	500
Bromodichloromethane	ND	μg/L	100
1,2-Dichloropropane	ND	μg/L	100
trans-1,3-Dichloropropene	ND	μg/L	100
Trichloroethene	ND	μg/L	100
Dibromochloromethane	ND	μg/L μg/L	100
1,1,2-Trichloroethane	ND	μg/L	100
Benzene	ND	μg/L	100
cis-1,3-Dichloropropene	ND	μg/L	100
2-Chloroethyl vinyl ether	ND	μg/L	
Bromoform	ND	μg/L μg/L	500
4-Methy1-2-pentanone	ND	μg/L μg/L	100 500
2-Hexanone	ND	μg/L μg/L	
1,1,2,2-Tetrachloroethane	ND	μg/L	500 100
Tetrachloroethene	1 600	μg/L	100
Tetrachloroethene Toluene	120	μg/L	100
Chlorobenzene	ND	μg/L	100
Ethyl benzene	ND	μg/L	100
Styrene	ND ND	μg/L μg/L	
Total xylenes	ND	μg/L	100 10 0

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	CPA M	ethod 624/1	HSL LIST		
Client Name: ERT					•
Client ID: 46776 VC	-10-5				
Laboratory ID: 5160-11					
Matrix: <u>Water</u>	· · · · · · · · · · · · · · · · · · ·	Samoled:	08/26/87	Received:	00/07/07
Authorized: 08/27/87					08/27/87
		Prepared:	09/10/6/	Analyzed:	09/10/87
					Donosti
<u>Parameter</u>	Resu	<u>lt</u>	<u>Units</u>		Reporting <u>Limit</u>
Chloromethane	ND		μg/L		25
Bromomethane	ND		μg/L		25
Vinyl chloride	ND		μg/L:		25 25
Chloroethane	ND		µg/L		25 25
Methylene chloride	ND		μg/L		50
Acetone	ND		μg/L		25 0
Carbon disulfide	ND		μg/L		10
1,1-Dichloroethene	ND		μg/L		10
1,1-Dichloroethane	. ND		μg/L		10
trans-1,2-Dichloroethene	ND.		μg/L		10
Chloroform	ND		μg/L		10
1,2-Dichloroethane	ND		µg/L		10
2-Butanone	ND		μg/L		50
1,1,1-Trichloroethane	ND	·	μg/L		10
Carbon tetrachloride	ND	•	μg/L		10
Vinyl acetate	ND		μg/L		50
Bromodichloromethane	ND		μg/L		10
1,2-Dichloropropane	ND		μg/L		10
trans-1,3-Dichloropropene	ND	•	μg/L		10
Trichloroethene	ND		μg/L		10
Dibromochloromethane	ND		μg/L		10
1,1,2-Trichloroethane	ND		μg/L		10
Benzene	ND		μg/L		10
cis-1,3-Dichloropropene	ND	•	μg/L	•	10
2-Chloroethyl vinyl ether Bromoform	ND		μg/L		50
4-Methyl-2-pentanone	ND		μg/L		10
2-Hexanone	ND		μg/L		50
1,1,2,2-Tetrachloroethane	ND		μg/L		50
Tetrachloroethene	ND 290	*	µg/L		10
Toluene	40		μg/L		10
Chlorobenzene	· -		μg/L		10
Ethyl benzene	ND ND		μg/L		10
Styrene	ND ND		μg/L		10
Total xylenes	. ND	-	μg/L νο/L		10
ND = Not detected.			μg/L		10
				٠	j
Reported by		Appro	ved by	A	~ Jyr

	2.11 11001100 10247	1136		
Client Name: <u>ERT</u>	· ·			
Client ID: 46777 VC-1	0-6			
Laboratory ID: 5160-12				·
Matrix: Water	Samoled:	08/26/87	Docotyada	00/07/07
Authorized: 08/27/87			•	08/27/87
<u> </u>	riepaied:	09/04/87	_ Analyzed:	09/04/87
Parameter	Result	<u>Units</u>		Reporting Limit
Chloromethane	ND			·
Bromomethane	ND	μg/L		5
Vinyl chloride	ND ND	μg/L		5
Chloroethane	ND	ha\f		5 5 5
Methylene chloride	ND	μg/L	•	
Acetone	ND	μ g/ L μ g/ L		20
Carbon disulfide	ND	μg/L μg/L		50
1,1-Dichloroethene	ND	μg/L μg/L		2
1,1-Dichloroethane	ND	μg/L		2 2 2 2 2 2 10
trans-1,2-Dichloroethene	ND	μg/L		2
Chloroform	ND	μg/L		2
1,2-Dichloroethane	ND	μg/L		2
2-Butanone	ND	μg/L		10
1,1,1-Trichloroethane	ND	μg/L		10
Carbon tetrachloride	ND	μg/L		2 2
Vinyl acetate	ND	μg/L		10
Bromodichloromethane	ND	μg/L		10
1,2-Dichloropropane	ND	μg/L		2 2
trans-1,3-Dichloropropene	ND	μg/L		2
Trichloroethene	3.8	μg/L		2
Dibromochloromethane	ND '	μg/L		2
1,1,2-Trichloroethane	ND	μg/L		2
Benzene	ND	μg/L		2
cis-1,3-Dichloropropene	ND	μg/L	Ų.	2
2-Chloroethyl vinyl ether	ND	μg/L	٠	10
Bromoform	ND	μg/L		2
4-Methy1-2-pentanone	ND	μg/L		10
2-Hexanone	ND	μg/L		10
1,1,2,2-Tetrachloroethane	ND	μg/L		2
Tetrachloroethene	74	μg/L		2
Toluene	13	μg/L		2
Chlorobenzene	ND	μg/L		2
Ethyl benzene	ND	μg/L		2
Styrene	ND	μg/L		2 2 2 2 2 2
Total xylenes	ND	μg/L	<i>:</i>	2
ND = Not detected.			٠,	
Papartod by	<i>:</i>		•	1 1.1

Client Name: _ERT	EPA Method 624/	not fist		,
0144				
Laboratory ID: $\frac{46778}{5160-13}$	/-1		 	
Matrix: <u>Water</u>	Complete			
	•	08/26/87	Received:	08/27/87
Author1zed: <u>08/27/87</u>	Prepared:	09/04/87	Analyzed:	09/04/87
Parameter	Result	<u>Units</u>	·	Reporting
Chloromethane		_ 		Limit
Bromomethane	ND	μg/L		100
Vinyl chloride	ND	μg/L	•	100
Chloroethane	ND	μg/L		100
	ND	μg/Ĺ		100
Methylene chloride Acetone	ND	µg/L		100
	ND	μg/L		1,000
Carbon disulfide	ND	μg/L		40
1,1-Dichloroethene	ND	μg/L		40
1,1-Dichloroethane	ND	μg/L		40
trans-1,2-Dichloroethene		μg/L		40
Chloroform	ND	μg/L		40
1,2-Dichloroethane	ND	μg/L		40
2-Butanone	ND	μg/L		200
1,1,1-Trichloroethane	560	μg/L		40
Carbon tetrachloride	ND	μg/L		40
Vinyl acetate	ND	μg/L		200
Bromodichloromethane	ND	μg/L		40
1,2-Dichloropropane	ND	μg/L		40
trans-1,3-Dichloropropene	ND	μg/L		40
Trichloroethene	89	μg/L		40
Dibromochloromethane	ND	μg/L		40
1,1,2-Trichloroethane	ND	μg/L		40
Benzene	ND	μg/L		40
cis-1,3-Dichloropropene	ND	μg/L		40
2-Chloroethyl vinyl ether	ND	yg/L		200
Bromoform	ND	μg/L		40
4-Methy1-2-pentanone	ND	μg/L		200
2-Hexanone	ND	μg/L		200
1,1,2,2-Tetrachloroethane	ND	μg/L		40
Tetrachloroethene	6,900	μg/L		40
Toluene	ND	μg/L		40
Chlorobenzene	ND	μg/L		40
Ethyl benzene	ND	μg/L		40
Styrene	ND	μg/L		40
Total xylenes	ND	μg/L		40
ND = Not detected.				·
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•	EPA Method	624/HSL List	•	٠
Client Name: ERT		·		•
Client ID: 46779 VC-7-2	2			
Laboratory ID: 5160-14				
Matrix: Water	Same	oled: 08/26/87	Pacatuada	00/07/07
Authorized: 08/27/87	Prepa		Received:	
			Analyzed:	09/04/87
<u>Parameter</u>	Result	Hadka		Reporting
	Kesuit	<u>Units</u>		Limit
Chloromethane	ND	μg/L		130
Bromomethane	ND	μg/L		130
Vinyl chloride Chloroethane	ND	μg/L		130
Methylene chloride	ND	μg/L		130
Acetone	ND	μg/L		130
Carbon disulfide	ND	µg/L		1,300
1,1-Dichloroethene	ND	µg/L		50
1,1-Dichloroethane	380	μg/L		50
trans-1,2-Dichloroethene	- 7 00	μg/L 		50
Chloroform	ND	μg/L μg/L		50
1,2-Dichloroethane	ND	μg/L		50 50
2-Butanone	ND	. μg/L	•	250
1,1,1-Trichloroethane	1700	μg/L		50
Carbon tetrachloride	ND	μg/L		50
Vinyl acetate	ND	μg/L		250
Bromodichloromethane	ND	μg/L		50
1,2-Dichloropropane trans-1,3-Dichloropropene	ND	μg/L		50
Trichloroethene	ND 180	μ g/ L		50
Dibromochloromethane	ND 190	μg/L		50
1,1,2-Trichloroethane	ND	μg/L		50
Benzene	ND	μg/L		50
cis-1,3-Dichloropropene	ND	μg/L μg/L	· -	50 50
2-Chloroethyl vinyl ether	ND	μg/L		50 250
Bromoform	ND	μg/L		50
4-Methy1-2-pentanone	ND	μg/L		250 250
2-Hexanone	ND .	μg/L		250
1,1,2,2-Tetrachloroethane	ND	μg/L		50
Tetrachloroethene	-	μg/L		50
Toluene	ND	μg/L		50 <
Chlorobenzene Ethyl benzene	ND .	μg/L		50
Styrene	ND	μg/L		50
Total xylenes	ND ND	μg/L		50
	טא	μg/L		50
ND = Not detected.				
Reported by		Approved by	An	· Jyr

Client Name: <u>ERT</u>		•		•
Client ID: 46780 VC-7	'-2D	·		
Laboratory ID: 5160-15				
Matrix: <u>Water</u>	Samole	d: _08/26/87	Received:	08/27/87
Authorized: 08/27/87		d: 09/04/87	Analyzed:	
			And Tyzeu:	09/04/6/
<u>Parameter</u>	Result	<u>Units</u>		Reporting <u>Limit</u>
Chloromethane	ND	μg/L	<i>e</i>	250
Bromomethane	ND	μg/L		250 250
Vinyl chloride	ND	μg/L.		250 250
Chloroethane	DA	μg/Ľ		250
Methylene chloride	NĎ	μg/L		250 250
Acetone	ND	μg/L		2,500
Carbon disulfide	ND	μg/L		100
1,1-Dichloroethene	ND	μg/L		100
1,1-Dichloroethane	370	μg/L		100
trans-1,2-Dichloroethene	600	μg/L		100
Chloroform	ND	μg/L		100
1,2-Dichloroethane	ND	μg/L		100
2-Butanone	ND	μg/L		500
1,1,1-Trichloroethane	•	μg/L	·	100
Carbon tetrachloride	ND	μg/L		100
Vinyl acetate	ND	μg/L		500
Bromodichloromethane	ND	μg/L		100
1,2-Dichloropropane	ND	μg/L		100
trans-1,3-Dichloropropene	ND	μg/L	4	100
Trichloroethene		μg/L		100
Dibromochloromethane	ND	μg/L		100
1,1,2-Trichloroethane Benzene	ND	μg/L		100
	ND	μg/L		100
cis-1,3-Dichloropropene	ND	μg/L		100
2-Chloroethyl vinyl ether	ND	μg/L		500
Bromoform	ND	μg/L		100
4-Methy1-2-pentanone 2-Hexanone	ND	μg/L		500
	, ND	μg/L		500
1,1,2,2-Tetrachioroethane Tetrachioroethene	ND	μg/L		100
Toluene	10,000	μg/L		100
Chlorobenzene	ND	μg/L		100
Ethyl benzene	ND ·	μg/L	•	100
Styrene	ND ND	μg/L		100
Total xylenes	ND ND	μg/L		100
	110	μg/L		100
ND = Not detected.		·		/ -
Reported by	Ani	proved by	Su	\sqrt{M}

	EPA M	ethod 624/1	HSL List		
, Client Name: <u>ERT</u>	 		· · · · · · · · · · · · · · · · · · ·		
Client ID: 46781 VC-7	7-3	·			
Laboratory ID: <u>5160-16</u>					
Matrix: <u>Water</u>		Sampled:	08/26/87	Received:	08/27/87
Authorized: <u>08/27/87</u>			09/04/87		
		•		,	00704707
<u>Parameter</u>	Resu	1 t	Units		Reporting Limit
Chloromethane					Limit
Bromomethane	ND		μg/L		25
Vinyl chloride	ND	•	μg/L		25
Chloroethane	ND		μg/L		25
Methylene chloride	DN DN		μg/L		25 .
Acetone	UN DN		μg/L		100
Carbon disulfide	ND	•	μg/L		250
1,1-Dichloroethene	71		μg/L		10
1,1-Dichloroethane	390		μg/L μg/L		10
trans-1,2-Dichloroethene	85		μg/L		10
Chloroform	ND		μg/L		10
1,2-Dichloroethane	ND		hd\f		10 10
2-Butanone	ND		μg/L		50
1,1,1-Trichloroethane	150		μg/L		10
Carbon tetrachloride	ND		μg/L		10
Vinyl acetate	ND		μg/L		50
Bromodichioromethane	ND		μg/L		10
1,2-Dichloropropane	. ND		μg/L		10
trans-1,3-Dichloropropene	ND		μg/L		10
Trichloroethene			μg/L		10
Dibromochloromethane	- ND		μg/L		10
1,1,2-Trichloroethane	ND		μg/L		10
Benzene	ND		μg/L		. 10
cis-1,3-Dichloropropene	ND		μg/L		10
2-Chloroethyl vinyl ether	ND		µg/L		50 .
Bromoform	ND		μg/L		10
4-Methyl-2-pentanone	ND		µg/L		50
2-Hexanone	ND		μg/L		50
1,1,2,2-Tetrachloroethane	ND		µg/L		10
Tetrachloroethene			μg/L		10
Toluene Chlorobenzene	30		μg/L		10
	ND		μg/L	•	10
Ethyl benzene Styrene	ND		μg/L		10
Total xylenes	ND		μg/L		10
	ND		ha\r		. 10
ND = Not detected.					
Constant Co				,	1 0/

Client Name: ERT					
Client ID: 46782 VC-7-	- 4				
Laboratory ID: 5160-17				· · · · · · · · · · · · · · · · · · ·	
Matrix: Nater		Sampled:	08/26/87	Received:	08/27/87
Authorized: 08/27/87		Prepared:			09/03/87
		•		· ····································	
Parameter	<u>Resu</u>	<u>1t</u>	Units		Reporting Limit
Chloromethane	ND		μg/L	•	
Bromomethane	ND	•	μg/L μg/L		5
Vinyl chloride	ND		• • • •		5
Chloroethane	ND		μg/t:		5
Methylene chloride	ND DN		μg/L		5
Acetone	ND		μg/L		50
Carbon disulfide	ND		μg/L		50
1,1-Dichloroethene			μg/L		2
1,1-Dichloroethane			µg/L		. 2 2
trans-1,2-Dichloroethene	82	•	μg/L		2
Chloroform			μg/L	*	2 2 2
1,2-Dichloroethane	ND	,	μg/L		2
2-Butanone	ND	*	µg/L		
1,1,1-Trichloroethane	ND		μg/L		10
	280		μg/L		2 2
Carbon tetrachloride	ND		μg/L		
Vinyl acetate	ND		μg/L		10
Bromodichloromethane	ND		μg/L		2
1,2-Dichloropropane	ND		μg/L		2
trans-1,3-Dichloropropene	· ND		μg/L		2 2 2 2 2 2
Trichloroethene	99		µg/L		2
Dibromochloromethane	ND		μg/L		2
1,1,2-Trichloroethane	ND		μg/L		2
Benzene	ND		μg/L		2
cis-1,3-Dichloropropene	ND	*	μg/L		2
2-Chloroethyl vinyl ether	ND.		μg/L		10
Bromo form	ND		μg/L		2
4-Methy1-2-pentanone	ND	••	yg/L		10
2-Hexanone	ND		μg/L		10
1,1,2,2-Tetrachloroethane	ND		μg/L		
Tetrachloroethene	- 3 800				2 2 2
Toluene	8.7		μg/L		2
Chlorobenzene	ND		μg/L		2
Ethyl benzene	ND		μg/L		۷
Styrene	ND		μg/L		۷
otal xylenes	ND D		μg/L μg/L	. •	2 2 2 2
ND = Not detected.					
(n					/ N
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EPA Method 624/HSL L1st

Client Name:	ERT		-		
Client ID:	46783 VC-7-5				
Laboratory ID:	5160-18	-			
Matrix:	Water	Sampled: _C	08/26/87	Received:	08/27/87
Authorized:	08/27/87	Prepared: _(Analyzed:	

Parameter	Result	<u>Units</u>	Reporting <u>Limit</u>
Chloromethane	ND	μg/L	5
Bromomethane	ND	μg/L	, J
Vinyl chloride	ND	μg/L	5
Chloroethane	ND	μg/L	5 5 5
Methylene chloride	ND	μg/L	20
Aceton e	ND	μg/L	50
Carbon disulfide	ND	μg/L	
1,1-Dichloroethene	ND	ug/L	2
1,1-Dichloroethane	2.2	μg/L	2
trans-1,2-Dichloroethene	2.3	μg/L	2 2 2 2 2 2
Chloroform	ND	μg/L	2
1,2-Dichloroethane	ND	μg/L	2
2-Butanone	ND	μg/L	10
1,1,1-Trichloroethane	3.0	μg/L	2
Carbon tetrachloride	ND	μg/L	2
Vinyl acetate	ND	μg/L	10
Bromodichloromethane	ND	μg/L	
1,2-Dichloropropane	ND	μg/L	2
trans-1,3-Dichloropropene	ND	μg/L	2 2 2 2 2
Trichloroethene	4.1	μg/L	2
Dibromochloromethane	ND .	ug/L	2
1,1,2-Trichloroethane	ND	μg/L	Ž
Benzene	ND	μg/L	2 2 2
cis-1,3-Dichloropropene	ND	μg/L	2
2-Chloroethyl vinyl ether	ND	μg/L	10
Bromoform	ND	μg/L	2
4-Methy1-2-pentanone	ND	µg/L	10
2-Hexanone	ND	μg/L	10
1,1,2,2-Tetrachloroethane	ND	μg/L	2
Tetrachloroethene	95	μg/L	2
Toluene	110	μg/L	2
Chlorobenzene	. ND	μg/L	2 2 2 2
Ethyl benzene	. ND	μg/L	2
Styrene	ND	μg/L	2
Total xylenes	ND	μg/L	. 2

Reported by		Approved by	·	An	14	1
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EPA Method 624/HSL List

Client ID:	46784 FB			
aboratory ID:	5160-19			
Matrix:	Water	Sampled: _08/26/87	Received:	08/27/87
Authorized:	08/27/87	Prepared: 09/03/87		

<u>Parameter</u>	Result	Units	Reporting <u>Limit</u>
Chloromethane	ND	μg/L	5
Bromomethane	ND	μg/L	5
Vinyl chloride	ND	μg/E	5
Chloroethane	ND '	μg/L	5
Methylene chloride	ND	μg/L	10
Acetone	ND	μg/L	50
Carbon disulfide	ND	μg/L	
1,1-Dichloroethene	ND	μg/L	2 2 2 2 2 2
1,1-Dichloroethane	ND	μg/L	2
trans-1,2-Dichloroethene	ND	μg/L	2
Chloroform	ND	μg/L	5
1,2-Dichloroethane	ND	μg/L	2
2-Butanone	ND	μg/L	10
1,1,1-Trichloroethane	ND	μg/L	2
Carbon tetrachloride	ND	μg/L	2 2
Vinyl acetate	ND	μg/L	10
Bromodichloromethane	ND	μg/L	2
1,2-Dichloropropane	ND	μg/L	2 2
trans-1,3-Dichloropropene	ND	μg/L	2
Trichloroethene	ND	μg/L	2
Dibromochloromethane	ND	μg/L	2
1,1,2-Trichioroethane	ND .	μg/L	2 2 2 2 2 2
Benzene	ND	μg/L	2
cis-1,3-Dichloropropene	ND	μg/L	2
2-Chloroethyl vinyl ether	ND	μg/L	10
Bromoform	ND	μg/L	2
4-Methyl-2-pentanone	ND	μg/L	10
2-Hexanone	ND	μg/L	10
1,1,2,2-Tetrachloroethane	ND	μg/L	
Tetrachloroethene	ND	μg/L	2
Toluene	ND .	μg/L	2
Chlorobenzene	ND	μg/L	2
Ethyl benzene	ND	μg/L	2 2 2 2 2 2 2
Styrene	ND	μg/L	2
Total xylenes	ND	μg/L	2

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Reported by		Approved by	Zh_	VV

EPA Method 624/HSL List

Client Name:	ERT			•
Client ID:	46821 VC-9-1			
Laboratory ID:	5160-23			
Matrix:	Water	Sampled: <u>08/27/87</u>	Received:	08/27/87
Authorized:	08/27/87	Prepared: <u>09/03/87</u>	Analyzed:	

<u>Parameter</u>	Result	<u>Units</u>	Reporting <u>Limit</u>
Chloromethane	ND	μg/L	. 5
Bromomethane	ND	μg/L	5
Vinyl chloride	ND	μg/Ĕ	, , , , , , , , , , , , , , , , , , ,
Chloroethane	ND	µg/L	5 5
Methylene chloride	ND	μg/L	10
Acetone	ND	μg/L	50
Carbon disulfide	ND	μg/L	2
1,1-Dichloroethene	ND	µg/L	2
1,1-Dichloroethane	· ND	μg/L	. 2
trans-1,2-Dichloroethene	3.6	μg/L	2 2 2 2
Chloroform	ND	μg/L	2
1,2-Dichloroethane	ND	μg/L	2
2-Butanone	ND	μg/Ľ	10
1,1,1-Trichloroethane		μg/L	
Carbon tetrachloride	ND	μg/L	2 2
Vinyl acetate	ND	μg/L	10
Bromodichloromethane	ND	μg/L	2
1,2-Dichloropropane	ND	μg/L	2
trans-1,3-Dichloropropene	ND	μg/L	2
Trichloroethene		μg/L	2
Dibromochloromethane	ND	μg/L	. 2
1,1,2-Trichloroethane	ND	μg/L	2
Benzene	ND	μg/L	2 2 2 2 2 2 2
cis-1,3-Dichloropropene	ND	μg/L	2
2-Chloroethyl vinyl ether	ND	μg/L	10
Bromoform	ND	μg/L	2
4-Methy1-2-pentanone	ND	μg/L	. 10
2-Hexanone	ND	μg/L	10
1,1,2,2-Tetrachloroethane	ND ·	μg/L	2
Tetrachloroethene	110	μg/L	. 2
Toluene	ND	μg/L	
Chlorobenzene	ND	μg/L	2 2 2 2 2
Ethyl benzene	ND	μg/L	2
Styrene	ND	μg/L	2
Total xylenes	ND	μg/L	2

	C) .	1 11
Reported by	<u>JA</u>	Approved by	An	VV

Client Name:	ERT				
Client ID:	46822 VC-10-1				
Laboratory ID:	5160-20				
Matrix:	Water	Sampled:	08/27/87	Received:	08/27/87
Authorized:	08/27/87	Prepared:		Analyzed:	

Parameter	Result	<u>Units</u>	Reporting <u>Limit</u>
Chloromethane	ND	μg/L	2
Bromomethane	ND	μg/L	5
Vinyl chloride	ND	ha/F	5
Chloroethane	ND	μg/L	5 5
Methylene chloride	ND	μg/L	50 50
Acetone .	ND	μg/L	50
Carbon disulfide	ND	μg/L	2
1,1-Dichloroethene	3.3	μg/L	2
1,1-Dichloroethane	8.5	μg/L	2 2 2 2 2
trans-1,2-Dichloroethene	73	μg/L	2
Chloroform	ND	ha\r	2
1,2-Dichloroethane	ND	μg/L	2
2-Butanone	ND	μg/L	10
1,1,1-Trichloroethane	15	μg/L	2
Carbon tetrachloride	ND	μg/L	2
Vinyl acetate	ND	μg/L	10
Bromodichloromethane	ND	μg/L	2
1,2-Dichloropropane	ND	μg/L	2
trans-1,3-Dichloropropene	ND	μg/L	
Trichloroethene	87	μg/L	2 2 2 2 2 2
Dibromochloromethane	ND	μg/L	2
1,1,2-Trichloroethane	ND	μg/L	
Benzene	ND .	µg/L	2
cis-1,3-Dichloropropene	ND	μg/L	2
2-Chloroethyl vinyl ether	ND	μg/L	. 10
Bromoform	ND	μg/L	2
4-Methy1-2-pentanone	ND	μg/L	10
2-Hexanone	ND	μg/L	10
1,1,2,2-Tetrachloroethane	. ND	μg/L	2
Tetrachloroethene	490	μg/L	. 2
Toluene	47	μg/L	2
Chlorobenzene	ND ND	μg/L	2
Ethyl benzene	ND	μg/L	2
Styrene	ND	μg/L	2
Total xylenes	ND	μg/L	2
ND = Not detected.			

EPA Method 624/HSL List

Client Name:	ERT	·			
Client ID:	46823 _{SB}				
Laboratory ID:	5160-21				
Matrix:	Water	Sampled:	08/26/87	Received:	08/27/87
Authorized:	08/27/87	Prepared:		Analyzed:	

<u>Parameter</u>	Result	Units	Reporting <u>Limit</u>
Ch1oromethane	ND	μg/L	
Bromomethane	ND	μg/L μg/L	5
Vinyl chloride	ND .	μg/Ľ	5
Chloroethane	ND .	μg/L	5 5
Methylene chloride	ND	μg/L	
Acetone	ND	μg/L μg/L	10
Carbon disulfide	ND	րց/ L	50
1,1-Dichloroethene	ND	μg/L	2
1,1-Dichloroethane	ND	μg/L μg/L	2
trans-1,2-Dichloroethene	ND	μg/L	2 2 2 2 2 2
Chloroform	ND	μg/L	2
1,2-Dichloroethane	ND	μg/L	2
2-Butanone	ND	μg/L	
1,1,1-Trichloroethane	ND	μg/L	10
Carbon tetrachloride	ND	• • .	2
Vinyl acetate	ND	μg/L	2
Bromodichloromethane	ND	μg/L	10
1,2-Dichloropropane	ND.	μg/L	2
trans-1,3-Dichloropropene	ND	µg/L	2
Trichloroethene	ND	μg/L	2
Dibromochloromethane	ND ND	μg/L	2
1,1,2-Trichloroethane	ND	μg/L	2
Benzene	ND	μg/L	2
cis-1,3-Dichloropropene	ND .	μg/L	2
2-Chloroethyl vinyl ether	ND	yg/L	2
Bromoform	ND ND	μg/L	10
4-Methyl-2-pentanone	ND -	μg/L	2
2-Hexanone	ND ND	µg/L	10
1,1,2,2-Tetrachloroethane	ND ND	μg/L	10
Tetrachloroethene		µg/L	2
Toluene	ND	µg/L	2
Chlorobenzene	ND	µg/L	2
Ethyl benzene	ND ND	μg/L	2 2
Styrene	ND ND	μg/L	2
Total xylenes	ND	μg/L	2 2
iocal Aylelles	ND	µg/L	. 2
ND = Not detected.		: -	

Approved by

Reported by _

Client Name: ERT	•	•		
Client ID: 46824 VC=	10-1 FB2 F	ield Blank 2		
Laboratory ID: 5160-22		1010 17 Lank C		
Matrix: <u>Water</u>	Sampled:	08/27/87	Received:	_08/27/87
Authorized: <u>08/27/87</u>	Prepared:	09/03/87	Analyzed:	
		•		
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	·	Reportin <u>Limit</u>
Chloromethane	ND	μg/L		5
Bromomethane	ND	μg/L		5
Vinyl chloride	ND	μg/L	•	5
Chloroethane	ND	μg/L		5 5 5
Methylene chloride	ND	μg/L		5
Acetone	ND	μg/L		50
Carbon disulfide	ND	μg/L		
1,1-Dichloroethene	ND	μg/L		2
1,1-Dichloroethane	ND	μg/L		2
trans-1,2-Dichloroethene	ND	μg/L		2
Chloroform	ND	μg/L	•	2 2 2 2 2
1,2-Dichloroethane	ND	μg/L		. 2
2-Butanone	ND	μg/L		10
1,1,1-Trichloroethane	. ND	μg/L		2
Carbon tetrachloride	ND	μg/L	•	2
Vinyl acetate	ND	μg/L		10
Bromodichloromethane	ND	μg/L		2
1,2-Dichloropropane	ND	μg/L		. 2
trans-1,3-Dichloropropene	ND	μg/L		2
Trichloroethene	ND	μg/L		2
Dibromochloromethane	ND	μg/L		2
1,1,2-Trichloroethane	ND	μg/L		2
Benzene	ND	μg/L		2
cis-1,3-Dichloropropene	ND	μg/L		2
2-Chloroethyl vinyl ether Bromoform	ND	μg/L		10
4-Methyl-2-pentanone	ND	μg/L		2
2-Hexanone	ND	μg/L		10
1,1,2,2-Tetrachloroethane	ND	μg/L		10
Tetrachloroethene	ND ND	µg/L		2
Toluene	ND · ND	μg/L		2
Chlorobenzene	ND ·	μg/L		2
Ethyl benzene	ND	μg/L		2
Styrene	ND	μg/L		2 2 2 2
Total xylenes	ND	μg/L μg/L		2
ND = Not detected.				<i>j</i>
Reported by	Appro	ved by	Au	- IN

VOLATILE ORGANICS

Surrogate Recovery Summary

Client Name: ERT

Reported by _____

Matrix: Water

Authorized: 08/27/87 Received: 08/27/87

	Surrogate Compound			
LAB IO ID Client ID	d ₄ -1,2,-Dichloro- ethane	dToluene	p-Bromofluoro benzene	
5160-01 VC-9-2 46766	91	116	85 /	
5160-02 VC-9-3 46767	90	119	84 🗸	
5160-03 VC-9-4 46768	110	92	109 🗸	
5160-04 VC-9-6 46769	95	102	96 /	
5160-05 VC-9-60 46770	97	103	93 🗸	
5160-06 FB-1 46771	92	108	89 🗸	
5160-07 ^{SB} 46772	103	100	96 /	
5160-08 VC-10-2 46773	113	95	108	
5160-09 VC-10-346774	92	119	85 /	
160-10 VC-10-4 46775	114	93	110 ~	
160-11 VC-10-546776	103	108	88 ~	
160-12 VC-10-646777	81	120	87	
160-13 VC-7-1 46778	′ 113	93	109	
160-14 VC-7-2 46779	115	95	109	
160-15 VC-7-2D46780	. 114	96	109 /	
160-16 VC-7-3 46781	94	99	101 ~	
160-17 VC-7-4 46782	100	102	98	
160-18 VC-7-5 46783	99	93	104 🗸	
160-19 FB 46784	105	102	99 🗸	
160-20 VC-10-146822	96	, 101	100 🗸	
160-21 SB 46823	96	104	100 /	
60-22 VC-10-146824	100	103	101 /	
160-23 VC-9-1 46821	102	100	103	
QC Advisory Limits:	76-114%	61-110%	74-115% /	

_ Approved by ______

PRIORITY POLLUTANT VOLATILE ORGANICS

EPA Method 624 + 624/HSL L1st

QUALITY CONTROL

Client Name: <u>ERT</u>	·					
Client ID: Laboratory Co	Client ID: Laboratory Control Spike					
Laboratory ID: 9919LCS						
Matrix: <u>Water</u>	Prepared: _09/02/87	Analyzed: 09/02/87				
Parameter	% Recovery	QC Advisory Limits				
1,1-Dichloroethe Trichloroethene Benzene Toluene Chlorobenzene	86 84 80 81 88	61 - 145% 71 - 120% 76 - 127% 76 - 125% 75 - 130%				

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	I/P	•	~ 1	J IY
Reported by	K/D	Approved by	Chr	A Ma
				

PRIORITY POLLUTANT VOLATILE ORGANICS

EPA Method 624 + 624/HSL L1st

QUALITY CONTROL

Client Name: <u>ERT</u>	<u> </u>	
Client ID: Laboratory Con	trol Spike Dup.	
Laboratory ID: 9931LCSD		
Matrix: <u>Water</u>	Prepared: <u>09/02/87</u>	Analyzed: 09/02/87
<u>Parameter</u>	% Recovery	QC Advisory Limits
1,1-Dichloroethe Trichloroethene Benzene Toluene Chlorobenzene	92 91 92 90 91	61 - 145% 71 - 120% 76 - 127% 76 - 125% 75 - 130%

1

Reported by	05	Approved by	c12

Client Name: ERT				
Client ID: Lab Proceed	dural Blank - Wate	٢		
Laboratory ID: 9986				
Matrix: <u>Water</u>	Sample	d: NA	Received:	NA
Authorized: NA		d: 09/06/87	Analyzed:	
				Papartina
<u>Parameter</u>	Result	<u>Units</u>		Reporting <u>Limit</u>
Chloromethane	ND	μg/L		5
Bromomethane	ND	μg/L	•	5
Vinyl chloride Chloroethane	ND	μg/L		5
Methylene chloride	ND	μg/L		5
Acetone	ND	μg/L		5
Carbon disulfide	ND ND	μg/L		50
1,1-Dichloroethene	ND ND	μg/L		2
1,1-Dichloroethane	ND	μ g/L μg/L		. 2
trans-1,2-Dichloroethene	ND	μg/L		2 2 2 2 2 2
Chloroform	ND	μg/L		2
1,2-Dichloroethane	ND	μg/L		2
2-Butanone	ND	μg/L		10
1,1,1-Trichloroethane	ND	μg/L		2 2
Carbon tetrachloride	ND	μg/L		2
Vinyl acetate Bromodichloromethane	ND	μg/L		10
1,2-Dichloropropane	ND	μg/L		2 2 2 2 2 2
trans-1,3-Dichloropropene	ND ND	µg/L		2
Trichloroethene	ND	µg/L		2
Dibromochloromethane	ND	μg/L	•	2
1,1,2-Trichloroethane	ND	μg/L μg/L		2
Benzene	ND	μ g/ L		•
cis-1,3-Dichloropropene	ND	μg/L		2
2-Chloroethyl vinyl ether	· ND	μg/L		10
Bromoform	ND	μg/L		2
4-Methy1-2-pentanone	ND	μg/L		10
2-Hexanone	ND	μg/L		10
1,1,2,2-Tetrachloroethane Tetrachloroethene	ND	μg/L		2
Toluene	ND ND	μg/L	•	2
Chlorobenzene	ND ND	μg/L	•	2
Ethyl benzene	ND	μg/L		2
Styrene	ND	μg/L		2
Total xylenes	, ND	µg/L µg/L		2 2 2 2 2 2 2 2
NA = Not applicable.				
ND = Not detected.				1
Reported by	An	nroved by	sch.	1,0

EPA Method 624/HSL L1st

Client Name:	ERT					
Client ID:	Lab	Procedural Blank	k - Water			
Laboratory ID:	9976	· · · · · · · · · · · · · · · · · · ·	·			
Matrix:	Water		Sampled:	NA	Received:	NA
Authorized:	NA_		Prepared:	09/04/87	Analyzed:	09/04/87

<u>Parameter</u>	Result	<u>Units</u>	Reporting Limit
Chloromethane	ND	μg/L	5
Bromomethane	ND	μg/L	5
Vinyl chloride	ND	μg/L	5
Chloroethane	ND	μg/Ľ	. 5
Methylene chloride	ND	μg/L	10
Acetone	ND	μg/L	50
Carbon disulfide	ND	μg/L	
1,1-Dichloroethene	ND	ug/L	2 2 2 2 2 2 10
1,1-Dichloroethane	ND	μg/L	. 2
trans-1,2-Dichloroethene	ND	μg/L	2
Chloroform	ND	μg/L	2
1,2-Dichloroethane	ND	μg/L	2
2-Butanone	ND	μg/L	10
1,1,1-Trichloroethane	ND	μg/L	2
Carbon tetrachloride	ND	μg/L	2 2
Vinyl acetate	ND	μg/L	10
Bromodichloromethane	· ND	μg/L	
1,2-Dichloropropane	ND	μg/L	2 2 2 2 2 2 2 2
trans-1,3-Dichloropropene	ND	μg/L	2
Trichloroethene	ND .	μg/L	- 2
Dibromochloromethane	ND	μg/L	2
1,1,2-Trichloroethane	ND	μg/L	Ž
Benzene	· ND	μg/L	2
cis-1,3-Dichloropropene	ND	ั้นg/L	2
2-Chloroethyl vinyl ether	ND	μg/L	10
Bromoform	ND	μg/L	2
4-Methy1-2-pentanone	ND	μg/L	10
2-Hexanone	ND	μg/L	10
1,1,2,2-Tetrachloroethane	ND	μg/L	
Tetrachloroethene	ND	μg/L	2
Toluene	ND	μg/L	2
Chlorobenzene	ND	μg/L	2
Ethyl benzene	ND	μg/L -	2
Styrene	ND	μg/L	2
Total xylenes	ND	μg/L	2 2 2 2 2 2 2
NA NA ANALYSIA			

NA = Not applicable. ND = Not detected.

Reported by ______

Approved by

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•	EFA MECHING 0247	uor fist		
Client Name: <u>ERT</u>				
Client ID: Lab Proced	lural Blank - Water	·		
Laboratory ID: 9997		•		
Matrix: <u>Water</u>	Sampled:	NA	Received:	NA .
Authorized: NA	Prepared:	09/08/87	Analyzed:	
		- -		•
Parameter	Result	<u>Units</u>	-	Reporting <u>Limit</u>
Chloromethane	ND	μg/L		5
Bromomethane	ND	μg/L		5
Vinyl chloride	ND	μg/L		5
Chloroethane	ND	μg/L		5
Methylene chloride	ND	μg/L		5
Acetone	ND	μg/L	•	50
Carbon disulfide	ND	μg/L		2
1,1-Dichloroethene	ND	μg/L		2
1,1-Dichloroethane	ND	μg/L		2
trans-1,2-Dichloroethene	ND	µg/L		2 2
Chloroform	ND	µg/L		2
1,2-Dichloroethane 2-Butanone	ND	µg/L		2
1,1,1-Trichloroethane	ND	μg/L		10
Carbon tetrachloride	ND NO	μg/L		2
Vinyl acetate	ND ND	μg/L		2
Bromodichloromethane	ND ND	μg/L		10
1,2-Dichloropropane	ND	μg/L		. 2
trans-1,3-Dichloropropene	ND	μg/L μg/L		2 2 2 2 2 2
Trichloroethene	ND	μg/L		. 4
Dibromochloromethane	ND	μg/L μg/L	•	2
1,1,2-Trichloroethane	ND	μg/L		2
Benzene	ND	ha\r		2
cis-1,3-Dichloropropene	ND	µg/L		2
2-Chloroethyl vinyl ether	ND	μg/L		2 10
Bromoform	ND	μg/L		2
4-Methy1-2-pentanone	ND .	μg/L		10
2-Hexanone	ND	μg/L		10
1,1,2,2-Tetrachloroethane	ND	μg/L		2
Tetrachloroethene	ND	µg/L		2 2 2 2 2 2
Toluene	ND	μg/L	•	2
Chlorobenzene	ND	μg/L		2
Ethyl benzene	ND	μg/L		2
Styrene	ND	μg/L		2
Total xylenes	ND	μg/L		2
NA = Not applicable.				
ND = Not detected.		·		
Reported by CR	, Annr	oved by		JAY.
	^PPI		7111	* ~ {

	ELV HORING OFAL	HOL LIST		
Client Name: ERT				
Client ID: Lab Procedu	<u>ıral Blank - Water</u>			
Laboratory ID: <u>K826</u>				
Matrix: <u>Water</u>	Sampled:	NA	Received:	NA
Authorized: NA	Prepared:	09/04/87	Analyzed:	
			•	
<u>Parameter</u>	Result	<u>Units</u>		Reporting <u>Limit</u>
Chloromethane	ND	μg/L		5
Bromomethane	ND	µg/L		5
Vinyl chloride	ND	μg/L		
Chloroethane	ND .	μg/L		5 5
Methylene chloride	ND	μg/L		5
Acetone	ND	μg/L	•	5 0
Carbon disulfide	ND	μg/L		
1,1-Dichloroethene	ND	μg/L	·	2 2 2 2 2 2
1,1-Dichloroethane	ND .	μg/L		2
trans-1,2-Dichloroethene	ND	μg/L		2
Chloroform	ND	μg/L		2
1,2-Dichloroethane	ND	μg/L		2
2-Butanone	ND	μg/L	4	10
1,1,1-Trichloroethane	ND	μg/L		2
Carbon tetrachloride	ND	μg/L	•	. 2
Vinyl acetate	ND	μg/L		10
Bromodichloromethane	ND	μg/L		2
1,2-Dichloropropane	ND	μg/L	·	2
trans-1,3-Dichloropropene Trichloroethene	ND	μg/L		2 2 2
Dibromochloromethane	ND	μg/L		2
1,1,2-Trichloroethane	ND ·	μg/L		2
Benzene	ND NO	μg/L		. 2
cis-1,3-Dichloropropene	ND ND	μg/L		2
2-Chloroethyl vinyl ether	ND	μg/L		2
Bromoform	ND ND	μg/L		10
4-Methyl-2-pentanone	ND ND	µg/L		2
2-Hexanone	ND ND	μg/L		. 10
1,1,2,2-Tetrachloroethane	ND ND	μg/L		. 10
Tetrachloroethene	ND	μg/L		2
Toluene	ND	μg/L		. 2
Chlorobenzene	ND	μg/L μg/L		2
Ethyl benzene	ND			2
Styrene	ND	μg/L μg/L		2 2 2
Total xylenes	ND	μg/L		2
NA = Not applicable.				
ND = Not detected.		·		1 /
Penarted by AR	A = .		\mathcal{A}	$\int \sqrt{\lambda} $
Reported by	Appro	oved by	Sym	V V

Authorized: MA Prepared: 09/10/87 Analyzed: 09/10/87 Parameter Result Units Lim Chloromethane ND µg/L 5 Bromomethane ND µg/L 5 Chloromethane ND µg/L 5 Chloroethane ND µg/L 5 Chloroethane ND µg/L 5 Chloroethane ND µg/L 5 Chloroethane ND µg/L 5 Carbon disulfide ND µg/L 5 Carbon disulfide ND µg/L 2 1,1-Dichloroethane ND µg/L 2 1,1-Dichloroethane ND µg/L 2 1,2-Dichloroethane ND µg/L 2 1,2-Dichloroethane ND µg/L 2 2-Butanone ND µg/L 2 2-Butanone ND µg/L 2 Shromodichloromethane ND µg/L 2 Shromoform ND µg/L 2 S	Matrix: <u>Water</u>	Sampled:	NA ·	Received:	NA ·
Chloromethane ND Pg/L Spromomethane ND Pg	Authorized: <u>NA</u>	Prepared:	09/10/87		
Chloromethane Bromomethane ND Bromomethane ND Bromomethane ND Pg/L Styly chloride ND Pg/L Styly chloromethane ND Pg/L Styly chloride	<u>Parameter</u>	<u>Result</u>	Units		Reportin Limit
### Bromomethane ND	Chloromethane	ND.			
Vinyl chloride ND µg/L 5 Chloroethane ND µg/L 5 Methylene chloride ND µg/L 5 Acetone ND µg/L 5 Carbon disulfide ND µg/L 2 1,1-Dichloroethene ND µg/L 2 1,1-Dichloroethane ND µg/L 2 trans-1,2-Dichloroethane ND µg/L 2 Chloroform ND µg/L 2 1,2-Dichloroethane ND µg/L 2 2-Butanone ND µg/L 2 1,1-1-Trichloroethane ND µg/L 2 2-Butanone ND µg/L 2 1,1,1-Trichloroethane ND µg/L 2 2-Introcontectane ND µg/L 2 1, inyl acetate ND µg/L 2 2, inyl acetate ND µg/L 2 2, inyl acetate ND µg/L 2					. 5
ND					5
ND	Chloroethane				5
ND					5
Carbon disulfide ND µg/L 2 1,1-Dichloroethene ND µg/L 2 1,1-Dichloroethane ND µg/L 2 trans-1,2-Dichloroethene ND µg/L 2 Chloroform ND µg/L 2 L,2-Dichloroethane ND µg/L 2 2-Butanone ND µg/L 10 2,1,1-Trichloroethane ND µg/L 2 Carbon tetrachloride ND µg/L 2 Vinyl acetate ND µg/L 2 Sromodichloromethane ND µg/L 2 1,2-Dichloropropane ND µg/L 2 1,2-Dichloropropane ND µg/L 2 1,1,2-Trichloromethane ND µg/L 2 1,1,2-Trichloromethane ND µg/L 2 1,1,2-Trichloropropene ND µg/L 2 1,	Acetone				-
1,1-Dichloroethene 1,1-Dichloroethane ND ND Ng/L 1,1-Dichloroethane ND ND Ng/L 2 1,2-Dichloroethene ND ND Ng/L 2 2 1,2-Dichloroethane ND ND Ng/L 2 2 8-Butanone ND ND Ng/L 1,1-Trichloroethane ND ND Ng/L 2 8-romodichloromethane ND ND Ng/L 1,2-Dichloropropane ND ND Ng/L 1,2-Dichloropropane ND ND Ng/L 2 8-romodichloromethane ND ND Ng/L 1,2-Dichloropropene ND ND Ng/L 2 1,1,2-Trichloroethane ND ND Ng/L 2 1,1,2-Trichloropropene ND ND Ng/L 2 1,1,2-Trichloropropene ND ND ND Ng/L 2 1-Chloroethyl vinyl ether ND ND Ng/L 2 1-Chloroethore ND ND Ng/L 2 1-Chloroethene ND ND Ng/L 3 1-Chloroethene ND Ng/L 3 1-Chloroethe	Carbon disulfide				
1,2-Dichloroethane	1,1-Dichloroethene				2
1,2-Dichloroethane	1,1-Dichloroethane				2
1,2-Dichloroethane	trans-1,2-Dichloroethene				
1,2-Dichloroethane	Chloroform				2
2-Butanone	1,2-Dichloroethane			•	. 2
1,1-Trichloroethane	2-Butanone				
Carbon tetrachloride ND µg/L 2 (inyl acetate ND µg/L 10 iromodichloromethane ND µg/L 2 .2-Dichloropropane ND µg/L 2 irans-1,3-Dichloropropene ND µg/L 2 richloroethene ND µg/L 2 ibromochloromethane ND µg/L 2 is-1,2-Tichloropropene ND µg/L 10 romoform ND µg/L 10 -Methyl-2-pentanone ND µg/L 10 -Hexanone ND µg/L 2 -Italization ND µg/L 2 etrachloroethene ND µg/L<	1,1,1-Trichloroethane				
ND	arbon tetrachloride				
1000001ch oromethane	'inyl acetate	DM		•	
1,2-Dichloropropane		ND		•	
Trans-1,3-Dichloropropene	,2-Dichloropropane	ND			2
richloroethene ND µg/L 2 ibromochloromethane ND µg/L 2 ,1,2-Trichloroethane ND µg/L 2 enzene ND µg/L 2 is-1,3-Dichloropropene ND µg/L 2 -Chloroethyl vinyl ether ND µg/L 10 romoform ND µg/L 10 -Methyl-2-pentanone ND µg/L 10 -Hexanone ND µg/L 10 ,1,2,2-Tetrachloroethane ND µg/L 10 etrachloroethene ND µg/L 2 oluene ND µg/L 2 hlorobenzene ND µg/L 2 thyl benzene ND µg/L 2 tyrene ND µg/L 2 tyrene ND µg/L 2	rans-1,3-Dichloropropene	ND			2
13-1, 1-Dichloropropene		ND			
13-1, 1-Dichloropropene		ND			2
13-1, 1-Dichloropropene		ND			, 2
13-1, 1-Dichloropropene		ND			2
Total order Value Ether ND	is-1, ² -Dichloropropene	ND			
romoform ND μg/L 2 -Methyl-2-pentanone ND μg/L 10 -Hexanone ND μg/L 10 ,1,2,2-Tetrachloroethane ND μg/L 2 etrachloroethene ND μg/L 2 oluene ND μg/L 2 hlorobenzene ND μg/L 2 thyl benzene ND μg/L 2 tyrene ND μg/L 2	-Chloroethyl vinyl ether	ND .	uq/L		10
-Methyl-2-pentanone ND µg/L 10 -Hexanone ND µg/L 10 ,1,2,2-Tetrachloroethane ND µg/L 2 etrachloroethene ND µg/L 2 oluene ND µg/L 2 hlorobenzene ND µg/L 2 thyl benzene ND µg/L 2 tyrene ND µg/L 2	romoform	ND			
-Hexanone ND μg/L 10 ,1,2,2-Tetrachloroethane ND μg/L 2 etrachloroethene ND μg/L 2 oluene ND μg/L 2 hlorobenzene ND μg/L 2 thyl benzene ND μg/L 2 tyrene ND μg/L 2	-Methy1-2-pentanone	ND			
1,2,2-Tetrachloroethane ND μg/L 2 etrachloroethene ND μg/L 2 oluene ND μg/L 2 hlorobenzene ND μg/L 2 thyl benzene ND μg/L 2 tyrene ND μg/L 2		ND	• • .	•	
etrachloroethene ND μg/L 2 oluene ND μg/L 2 hlorobenzene ND μg/L 2 thyl benzene ND μg/L 2 tyrene ND μg/L 2	,1,2,2-Tetrachloroethane	ND	· · · · · · · · · · · · · · · · · · ·	•	
		ND	•		2
	· · · =	ND			2
		ND			2
		•			2
					2
μg/L	otal xylenes	ND	μg/L		2
A = Not applicable.	A = Not applicable.				

EPA Method 624/HSL L1st

Client Name:	ERT	· ·	•	•
Client ID:	Lab Procedural Blan	nk - Water		
Laboratory ID:				
Matrix:	Water	Sampled: NA	Received:	NA
Authorized:	NA	Prepared: 09/02/87	_ Analyzed:	

<u>Parameter</u>	Result	<u>Units</u>	Reporting <u>Limit</u>
Chlor-methane	ND	μg/L	_
Bromoethane	ND	μg/L	5
Vinyl chloride	NO	μg/L	5
Chloroethane	ND		5 5 5
Methylene chloride	ND	μg/L μg/L	5
Acetone	ND .	• • •	
Carbon disulfide	ND	μg/L	50
1,1-Dichloroethene	ND	μg/L	2
1,1-Dichloroethane	ND	μg/L	2
trans-1,2-Dichloroethene	ND ND	µg/L	2
Chloroform	ND	μg/L	2 2 2 2 2
1,2-Dichloroethane	ND	μg/L	· 2
2-Butanone	ND	μg/L	
1,1,1-Trichloroethane	ND	μg/L	10
Carbon tetrachloride	ND	μg/L	2 2
Vinyl acetate	·ND	μg/L	
Bromodichloromethane	ND	μg/L	10
1,2-Dichloropropane	ND	μg/L	2 2 2 2 2 2 2 2
trans-1,3-Dichloropropene	ND	µg/L	2
Trichloroethene	ND	μg/L	2
Dibromochloromethane	ND ·	µg/L	2
1,1,2-Trichloroethane	ND	μg/L	2
Benzene	ND	μg/L	2
cis-1,3-Dichloropropene	_	μg/L	2
2-Chloroethyl vinyl ether	ND	μg/L	
Bromoform	ND	μg/L	10
4-Methyl-2-pentanone	ND	μg/L	2
2-Hexanone	ND	μg/L	10
1,1,2,2-Tetrachloroethane	ND	µg/L	10
Tetrachloroethene	ND	μg/L	2
Toluene	ND	μg/L	2
Chlorobenzene	ND	µg/L	2
	ND	μg/L	2
Ethyl benzene	ND	μg/L	2 2 2 2 2 2
Styrene	ND	μg/L	2
Total xylenes	ND	μg/L	2
NA = Not applicable			

NA = Not applicable. ND = Not detected.

Reported by _____

Approved by

 \sqrt{N}

Client Name: ERT	-			
Client ID: Lab Procedu	ral Blank - Water			
Laboratory ID: 9930				
Matrix: <u>Water</u>	Sampled:	_NA	Received:	NA .
Authorized: NA		09/02/87		09/02/87
•	•			
Parameter	Result	Units		Reporting <u>Limit</u>
Chloromethane	ND	μg/L	•	5
Bromomethane	ND	μg/L		5.
Vinyl chloride	ND	μg/L		5 - 5
Chloroethane	ND	μg/L		· 5
Methylene chloride Acetone	ND	μg/L		5
Carbon disulfide	ND ND	μg/L		50
1,1-Dichloroethene	ND	μg/L μg/L		2
1,1-Dichloroethane	ND	μg/L μg/L		2
trans-1,2-Dichloroethene	ND	μg/L		2 2 2 2 2 2
Chloroform	ND	μg/L		2
1,2-Dichloroethane	ND	μg/L		2
2-Butanone	ND	μg/L		10
1,1,1-Trichloroethane	ND	μg/L		2
Carbon tetrachloride Vinyl acetate	ND ND	μg/L		2
Bromodichloromethane	ND < ND	μg/L		10
1,2-Dichloropropane	ND ND	μg/L	•	2
trans-1,3-Dichloropropene	ND	μg/L μg/L		2
Trichloroethene	ND	μg/L		2 2
Dibromochloromethane	ND	μg/L		2
1,1,2-Trichloroethane	ND	μg/L		2 2 2 2
Benzene	ND	μg/L		2
cis-1,3-Dichloropropene	ND	μg/L		2
2-Chloroethyl vinyl ether	ND	μg/L		10
Bromoform	ND	μg/L		2
4-Methy1-2-pentanone	ND	μg/L		10
2-Hexanone	ND	μg/L		10
1,1,2,2-Tetrachloroethane Tetrachloroethene	ND	μg/L	•	. 2
Toluene	ND ND	μg/L		2
Chlorobenzene	ND ND	μg/L		. 2
Ethyl benzene	ND	μg/L μg/L		. 2
Styrene	ND	μg/L μg/L		2
Total xylenes	ND	μg/L		2 2 2 2 2 2 2
NA = Not applicable.		•		
ND = Not detected.				
Reported by CB	Anne	aved by	L	$\int_{\mathcal{U}} \gamma$

VOLATILE ORGANICS

Surrogate Recovery Summary

Client Name: ERT

Matrix: Water

Authorized: 08/27/87 Received: 08/27/87

		Sui	Surrogate Compound			
ID	Client ID	d,-1,2,-Dichloro- ethane	d _e -Toluene	p-Bromofluoro- benzene		
8062	Lab Procedural Blank - Water	103	110	86 /		
K785	Lab Procedural Blank - Water	96	99	100		
9997	Lab Procedural Blank - Water	93	101	101		
K826	Lab Procedural Blank - Water	96	100	103 -		
9976	Lab Procedural Bl ank - Water	93	101	96 ~		
9930	Lab Procedural Blank - Water	98	101	98 🗸		
9986	Lab Procedural Blank - Water	91 ~	117	84 /		

QC Advisory Limits:

76-114%

61-110%

•74-115%

		*				
Reported b	y <u>S::</u>		Approved b	by [°]	sin	

CHAIN-OF-CUSTODY

UNIFIRST

WOBURN, MA

CHAIN OF CUSTODY RECORD

Client/Project Name		AIN OF CUS			,	····				
	Project Loc									/
by: Finst	Wober		A				ANALYS	ES		
Project No.	Field Logbook	k No.					/ /			·
Sampler: (Signature)					/ /		/ /			
Sampler: (Signature)	Chain of Custod	ly Tape No.		/						
Jany 18	Logar				ゝ/ ,	/ /		/ /	/	,
			· ···				/			
Sample No./ Identification Date Tin	Lab Sample	Туре		/ /		/- /			•	
Identification Date Tin	ne Number	Sam	ple						REMA	ARKS
UC-9-2 8/24/27	46766	MATER		V				3	rug, v	in15
U(-9-3	46767		·			·				
UC- 9-4	46768								1	
06-9-6	46769									
VC- 9-60	46770									
FB-I	46771		· · · · · · · · · · · · · · · · · · ·					2 r	OA Y	1965
Shiffing Blank 8/25/83	46772							3 v		iALS
		· V							1	
Relinquished by: (Signature)		Date	Time	Received	by: (<i>Signi</i>	ature)			Date	Time
Jany /foss	~	1/24/87	17:00							
Relinquished by: (Signature)		Øate	Time	Received	by: (Signa	ature)			Date	Time
<u></u>	•									
Relinquished by: (Signature)		Date	Time	Received	for Labor	atory: (Signi	eture)		Date	Time
				8m	elit	Keil	C		8/24/87	17:00
Sample Disposal Method:		Disposed of	of by: (Sign						Date	Time
						,				
SAMPLE COLLECTOR		ANALYTICA	AL LABOR	ATORY						
Environmental Become	ch and Technology, Inc.				•					RT
696 Virginia Road	on and rechnology, Inc.									-40
Concord, MA 01742 617-369-8910	•									
017-303-0310						, .			N _o	7296
	· ·									
1974-3-84				·						

CHAIN OF CUSTODY RECORD

Project Location

ANALYSES

Field Logbook No.

Chain of Custody Tape No.

Lab Sample
Number

Type of
Sample

Identification	Date	Time	Lab Sample Number	Type of Sample			REMARKS	
UC-10 - 2	1/2/10		46773	+ ATE	200 D		1 200	-
UC-70-2	8/26/27		46773	WATER			3 VON VIALS	.
1-3			46774					
4			46775					
1 - 5	1		46776					
1 - 6	V		44775 46777	V				
Relinquished by	: (Signature)		· Date Time	Received t	OV: (Signature)	Date I Tim	

Tromiquished by: (Signature)	Date	Date Time Received by: (Signature)					
Dany /byon	8/24/87	17:00					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time		
Court Bio and Mark of			Emili Keill	8/26/87	17:00		
Sample Disposal Method:	Disposed	of by: (<i>Sign</i>	Date	Time			
SAMPLE COLLECTOR	ANALYTIC	AL LABOR	ATORY		,		

Environmental Research and Technology, Inc. 696 Virginia Road Concord, MA 01742 617-369-8910

ERT

Nº

7297

974-3-84

Client/Project Name

Sampler: (Signature)

Project No.

CHAIN OF CUSTODY RECORD

		STOUT RI	ECORL)							
Project Loc	ation										
Project No. Field Logbook				ANALYSES							
Project No. Field Logbook						7	7	7	7		
					/ /	/ /	/ /				
Chain of Custod	y Tape No.			-/ /							
1			/	$\langle \tilde{\chi} \rangle$	/ /	/ /	/		,	1 × 1	
Sample	Тур	e of		\b'\ /	′ /						
mber	San	nple							REMA	RKS	
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	Date	Time	Recei	ved by: (Sig	nature)	-l	<u></u>		Date	Time	
	8/24/87	17:00						•			
Relinquished by: (Signature)			Received by: (Signature)						Date	Time	
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Relinquished by: (Signature) Sample Disposal Method:			Received for Laboratory: (Signature)						D-1-	+	
									, ,	Time	
										17:00	
	Disposed	or by: (Sign	nature)						Date	Time	
	ANALYTIC	AL LABOR	ATORY								
y, Inc.							•			KI.	
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									NIO	7005	
].								111.	7295	
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	Project Loc Wobus Field Logbook	Project Location Wobur 7 Field Logbook No. Chain of Custody Tape No. Sample Typ San E LATER Date Date Date Date Disposed ANALYTIC	Project Location Wobur 7 Field Logbook No. Chain of Custody Tape No. Sample Type of Sample ATTA Date Time Date Time Date Time Disposed of by: (Signal ANALYTICAL LABOR.)	Project Location	Field Logbook No. Chain of Custody Tape No. Sample Type of Sample Sample Type of Sample Ty	Project Location Nobura Max Field Logbook No. Chain of Custody Tape No. Sample Type of Sample Sample Sample Sample Type of Sample Sampl	Project Location Wolvey Ma Field Logbook No. Chain of Custody Tape No. Sample Type of Sample Sample Sample Type of Sample Received by: (Signature) Date Time Received by: (Signature) Date Time Received for Laboratory: (Signature) Disposed of by: (Signature) ANALYTICAL LABORATORY	Project Location LOBURY Field Logbook No. Chain of Custody Tape No. Sample Type of Sample Sample LATEL Date Time Received by: (Signature) Date Time Received for Laboratory: (Signature) Disposed of by: (Signature) ANALYTICAL LABORATORY	Project Location Wobur 7 Project Location Wobur 7 Project Location ANALYSES Field Logbook No. Chain of Custody Tape No. Sample Type of Sample Sample Type of Sample Type of	Project Location Weburn Ma ANALYSES Field Logbook No. Chain of Custody Tape No. Sample Type of Sample Remains Analyses I LATER V V V V V V V V V V V V V V V V V V V	

CHAIN OF CUSTODY RECORD

Client/Project	Vame			Project L	ocation				7					······	7
UniFlest	_			Wober	in M	•					А	NALYS	SES		
Project No.				Field Logbo	- ,				+	7	7	7	7		,
0415	- 00.3						•		/	/ /		/ /	/ /		
Sampler: (Sign	ature)			Chain of Custo	ody Tape No.	-		一/、	/ ح		/-				-
Jang	1/60	-						\ _J	/	/	/ ,	/ ,	/ ,		
Sample No./ Identification	Date	Time	1	ample nber										REM	ARKS
UC- 7-1	8/27/83		4682		MATER		V								
UC-10-1	1	7:00A	46827	_			V								
Shipping Bland-1	8/26/87		46823	3			V								
FB-2	8/27/87	7:304	46824				V								
			•		·										
				,						·					
Relinquished by	: (Signature	e) For			Date	Time	Recei	ved by	: (Sign	ature)			•	Date	Time
Relinquished by: (Signature)			Date	Time	Recei	ved by	: (Sign	ature)				Date	Time		
								,		,					10
Relinquished by: (Signature)			Date	Time	Recei	ved for	Labor	atory:	Signal	urel	·	Date	Time		
					Received for Laboratory: (Signature)							8/21/87	1		
Sample Disposal Method:			Disposed	Disposed of by: (Signature)							Date	Time			
SAMPLE COLLE	CTOR				ANALYTIC	AL LABOR	RATORY		· · · · · · · · · · · · · · · · · · ·		*******				
Envir	onmental Re	esearch an	d Technology	/ Inc										1 24	RT
696 V	'irginia Road	d	- · · · · · · · · · · · · · · · · · · ·	,,	İ										
617-3	ord, MA 01 869-8910	142												Nº	10488
			7.											17.	10400
974-3-041														<u> </u>	لـــــــــــــــــــــــــــــــــــــ



SAMPLE RECEIPT CHECK LIST

	Container	१८५८ हैं ERT #(s)		
Matrix	Container			
WITE	S VCC VISU	46766-46784,4	1632/- 24	
				· · · · · · · · · · · · · · · · · · ·
	hipped or kand-delivered?		·	
Notes:			Yes	No
2. Was COC record	present upon receipt of samp	oles?		
Notes:	•		Yes	No
3. Was COC tape p	resent/unbroken on outer pa	ckage?		
Notes:				
1. Were samples re	eceived ambient or chilled?			
Notes:		-	Yes	No
5. Were any sample	es received broken/leaking (i	mproper ly sealed?		9
Notes:			Yes	No
6. Were samples p	roperly preserved?			
Notes:			Yes	No
7. Were COC types	present/unbroken on sample	es?		
Notes:			Yes	No
8. Any discrepanci	es between sample labels and	i COC records?		B
Notes:			Yes	∕ No
9. Were samples re	eceived within holding times?			
Notes:				
Additional Commer	nte:		•	
	no.			
1	n RF			
	and logged in by	1	Date: <u>ε/</u> 2	11/22